OPERATIONAL ENVIRONMENT

Along with JITC, the military Services testbeds provide the full range of testing capabilities required for the joint standards validation, standards conformance, interoperability certification and performance testing. Test analyses and recommendations are provided to the user as part of the unique service provided by JITC.

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Increasing Combat Effectiveness
Through Interoperability

UNITED STATES MESSAGE TEXT FORMAT (USMTF) TESTING PROGRAM

Joint Interoperability Test Command

INTRODUCTION
United States Message Text Format (USMTF) Testing Program

In its capacity as the testing arm of the Defense Information Systems Agency (DISA), the Joint Interoperability Test Command (JITC) plays a major role in the evolution of the Department of Defense's (DOD's) information exchange testing and certification of National Security Systems and Information Technology Systems (NSS and ITS). As the DOD's Executive Agent for testing and certification of information exchange requirements, JITC is responsible for ensuring these systems comply with joint standards and are interoperable. This is accomplished by conducting the following types of tests:

- Standards Conformance Testing
- Joint Interface Interoperability Testing

The diverse nature of DOD NSS and ITS systems, each with a wide range of capabilities, presents many challenges for today's warfighter. The demand for interoperability between the Services and Agencies establishes the need for a testbed which verifies standards conformance and interoperability. To conduct this testing, the JITC uses the Defense Information Infrastructure Common Operating Environment Message Processor (DII COE MP), IRIS, and TURBOPREP for USMTF testing.

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DII COE MP

The DII COE MP can generate and validate USMTF messages in accordance with (IAW) Military Standard (MIL-STD) 6040. The DII COE MP provides NSS and ITS with the capability to input, edit, validate, import/open, and generate USMTF messages.

IRIS

IRIS Message Formatting System (MFS) is a tool for the message drafter who needs to send and receive messages quickly and accurately. IRIS MFS provides support to USMTF users, ensuring correct message preparation and validation messages IAW MIL-STD 6040. The IRIS MFS provides the JITC with another tool to evaluate USMTF messages.

TURBOPREP

TURBOPREP is a tool designed for USMTF message drafters. TURBOPREP validates and detects both valid and invalid USMTF messages IAW MIL-STD 6040. The user can simply enter the message and not worry about the sequence of the message data. TURBOPREP organizes this information in the correct sequence during formatting for output of the messages.

WHAT STEPS ARE REQUIRED FOR CERTIFICATION

The DOD has directed that "all NSS and ITS systems developed for use by US Forces are considered to be for joint use." The DISA Interoperability Directorate publishes USMTF standards to ensure systems meet end users' information exchange needs and interoperability requirements. Program milestone decisions now depend on standards conformance and joint interoperability certification.

All policy documents pertaining to joint interoperability testing and certification are on our web site at http://jitc.fhu.disa.mil/ciidocs.htm

1. Contact your service Participating Test Unit Coordinator (PTUC) listed below.

2. Contact JITC POC for inclusion in the System Tracking Program. PMs should put in a placeholder for their system early in program development.

3. Plan and budget for Conformance and Joint Interoperability Testing during development (CJCSI 6212.01B).

4. Include Joint Testing and Certification in MNS, ORDS, and TEMPS (CJCSI 6212.01B).

5. Provide system USMTF Implementation and System Descriptions to JITC.

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